

PATENT  
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## **HMGI PROTEINS IN CANCER AND OBESITY**

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### **BACKGROUND OF THE INVENTION**

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The application is a continuation-in-part of application serial no. 08/679,529, filed 12 July 1996.

### **Statement of Rights to Inventions Made Under Federally-Sponsored Research and Development**

20. Part of the work performed during development of this invention

utilized United States Government funds. The United States Government has certain rights in this invention: NIH grant no. GM38731, HD30498, and

25 1K11CA01498.

### **Field of the Invention**

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The present invention pertains to a method for detecting HMGI-C or HMGI(Y) as a diagnostic marker for benign or malignant tumors using a probe for a sample from a patient that recognizes HMGI-C or HMGI(Y). The method comprises the steps of (a) contacting HMGI-C or HMGI(Y) from a sample from a patient with a probe which binds to HMGI-C or HMGI(Y); and (b) analyzing for HMGI-C or HMGI(Y) by detecting levels of the probe bound to the HMGI-C or HMGI(Y). The presence of HMGI-C or HMGI(Y) in the sample is positive for a